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List of Publications by Year in descending order

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15
papers

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times ranked

193
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-processed Cd-substituted CZTS nanocrystals for sensitized liquid junction solar cells. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161575.	2.8	9
2	Photocatalytic Degradation of Rhodamine B Dye and Hydrogen Evolution by Hydrothermally Synthesized NaBH ₄ Spiked ZnS Nanostructures. <i>Frontiers in Chemistry</i> , 2022, 10, 835832.	1.8	10
3	Changes in CO ₂ Adsorption Affinity Related to Ni Doping in FeS Surfaces: A DFT-D3 Study. <i>Catalysts</i> , 2021, 11, 486.	1.6	6
4	Arc Synthesis, Crystal Structure, and Photoelectrochemistry of Copper(I) Tungstate. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32865-32875.	4.0	11
5	Structural and electronic properties of Cu ₄ O ₃ (paramelaconite): the role of native impurities. <i>Pure and Applied Chemistry</i> , 2021, 93, 1229-1244.	0.9	2
6	Magnetic structure and exchange interactions in pyrrhotite end member minerals: hexagonal FeS and monoclinic Fe ₇ S ₈ . <i>Journal of Physics Condensed Matter</i> , 2021, 33, 465801.	0.7	6
7	Insights from density functional theory calculations into the effects of the adsorption and dissociation of water on the surface properties of zinc diphosphide (ZnP ₂) nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26482-26493.	1.3	1
8	Electronic Excitations in Copper Oxides: Time-Dependent Density Functional Theory Calculations with a Self-Consistent Hybrid Kernel. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24995-25003.	1.5	10
9	Exploring the formation of intrinsic p -type and n -type defects in CuO. <i>Physical Review Materials</i> , 2020, 4, .	0.9	20
10	First-principles DFT insights into the structural, elastic, and optoelectronic properties of \pm and \hat{I}^2 -ZnP ₂ : implications for photovoltaic applications. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 265501.	0.7	4
11	Density functional theory study explaining the underperformance of copper oxides as photovoltaic absorbers. <i>Physical Review B</i> , 2019, 99, .	1.1	40
12	Tuning the electronic band gap of Cu_2O via transition metal doping for improved photovoltaic applications. <i>Physical Review Materials</i> , 2019, 3, .	0.9	15
13	Designing new catalysts for synthetic fuels: general discussion. <i>Faraday Discussions</i> , 2017, 197, 353-388.	1.6	7
14	Ferroelastic nature of high pressure phase transition in MgF ₂ . <i>Journal of Alloys and Compounds</i> , 2016, 682, 839-843.	2.8	3
15	First-Principles DFT Insights into the Stabilization of Zinc Diphosphide (ZnP ₂) Nanocrystals via Surface Functionalization by 4-Aminothiophenol for Photovoltaic Applications. <i>ACS Applied Energy Materials</i> , 0, , .	2.5	0